First Nations Water Rights in British Columbia

A Historical Summary of the rights of the Skwah First Nation

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MINISTRY OF ENVIRONMENT, LANDS and PARKS
WATER MANAGEMENT BRANCH

FIRST NATIONS WATER RIGHTS IN BRITISH COLUMBIA:

A Historical Summary of the rights of the Skwah First Nation

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Edit by:	JOL Consulting
Review by:	Gary W. Robinson
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Kelly Babcock
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Christina Rocha
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Elizabeth Lee
Sara Cheevers

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The sheer numbers of First Nations groups' with histories of water rights made the completion of the Report Series seem, at times, prolonged. The determination, patience and vision of the partners was essential in the completion of the Series and is gratefully acknowledged.

Gary Robinson
Project Manager
Water Management Branch

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i. 1:50,000 map showing all the reserves of the Skwah Band.

FIRST NATIONS WATER RIGHTS REPORT

BAND: Skwah Band

ADDRESS: P.O. Box 178, Chilliwack, B.C., V2P 6H7

CHIEF: Chief Jack Mussell

PHONE: 792-9204 **FAX:** 792-1093

AFFILIATION: Independent

LOCATION:

The Skwah First Nation occupies four reserves in an area surrounding the city of Chilliwack. The reserves range in size from 11.7 to 126.3 hectares and occupy a total of area of 341.7 hectares. The reserves are:

Schelowat 1	Skwah 4
Skwahla 2	Skwali 3

Of the 4 reserves, water rights have been licenced on:

- **Schelowat 1**: a 85.2 hectare reserve located directly east of the city of Chilliwack, adjacent to Hope Slough.

The most recent population figures compiled by the Ministry of Finance indicate that the Skwah Band has a total population, including registered and non-registered members, living on- and off-reserve, of 372.

The four Skwah reserves occur in the Coastal Western Hemlock Biogeoclimatic Zone. The reserves lie at sea level, and experience a climate in which average daily temperatures range from lows of 0 degrees centigrade in January, to highs of 20 degrees centigrade in July. Annual rainfall for the area averages between 100 and 250 centimeters.

Water courses of significance include:

- **Hope Slough**: flows west adjacent to all 4 reserves, and drains into the Fraser River.

WATER ALLOCATIONS:

There are no records of allocations made by either the Indian Reserve Commission, by Order-in-Council of the Lieutenant Governor in Council, or by Order of the Board of Investigation.

The water rights of the Skwah First Nation have been determined by two actions of government over the years:

1. The issue of water licences in response to Federal Government applications requesting authorization for the use of water on reserve lands.

2. Actions to amend, cancel or record as abandoned, licenced rights pursuant to provisions contained in the *Water Act*.

HISTORY, CURRENT STATUS AND NOTES:

The history of water rights, the current status of rights, and notes for the Skwah Band with respect to Hope Slough are as follows:

Hope Slough:

History:

Aug 1, 1962 — In accordance with an application filed by Daniel Wood, the Comptroller of Water Rights issued Conditional Water Licence 27473. This licence was given a precedence date of June 20, 1961 and authorizes the diversion of 40 acre feet, from April 1 to September 30, from Hope Slough for irrigation purpose. The appurtenant lands are specified as Lots 7, 11, and 12, Plan 1817 as shown on Reference Plan 3144, of Lot 428, Group 2, New Westminster District, Parcel A, Reference Plan 8287 of Schelowat Reserve No. 1, of which 40 acres may be irrigated.

Oct 1, 1966 — Based on the extent to which the rights granted under Conditional Licence 27472 were exercised, the Comptroller of Water Rights issued Final Water Licence 19537, in substitution. The licence was given a precedence date of March 6, 1961 and authorizes the diversion of 38.9 acre feet, from April 1 to September 30, from Hope Slough, for irrigation purpose. The appurtenant lands are defined as Lot 7, 11 and 12, Plan 1817 and Parcel A, Reference Plan

3144, of Lot 428, Group 2, New Westminster District and Parcel A, Reference Plan 8287 of Schelowat Reserve No. 1, of which 38.9 acres may be irrigated.

Jan 18, 1967 The Deputy Comptroller of Water Rights issued an Order to amend Final Water Licence 19537 after having determined that the priority date of the licence was incorrectly stated. Clause (c) was amended to read:

> *"The date from which this licence shall have precedence is 20th June, 1961."*

Aug 15, 1979 The Deputy Comptroller of Water Rights issued an additional Order to amend Final Water Licence 19537 after having received an application for Apportionment of the said licence. The Order granted two new licences:

i. Conditional Water Licence 53129*: authorized the use of 28.9 acre feet per year for the irrigation of 28.9 acres;
ii. Conditional Water Licence 52128: authorized the use of 10 acre feet per year for the irrigation of 10 acres.

*Note: This licence is appurtenant to Lots 7 and 11, Plan 1817 and Parcel A, Reference Plan 3144 of Lot 428, Group 2, New Westminster District.

Nov 29, 1979 In accordance with an application made by Hendrik and Ann Heetebrij, the Comptroller of Water Rights issued Conditional Water Licence 53128, in substitution of Final Water Licence 19537. The licence was assigned a precedence date of March 6, 1961 and authorizes the diversion of 10 acre feet, from April 1 to September 30, from Hope Slough for irrigation purpose. The appurtenant lands are defined as Lot 12 of Lot 428, Group 2, New Westminster District, Plan 1817 and Parcel A of Schelowat Reserve No. 1, Township 26, New Westminster District, Reference Plan 8287, of which 10 acres may be irrigated.

Current Status:

There are currently eighteen licences active on Hope Slough, none of which are held by the Skwah Band. Of these licences:

- 16 authorize the use of water for irrigation purpose ranging from 6.3 to 60 acre feet per annum.

- 1 authorizes the use of 1,000 acre feet of water per year for irrigation local authority purpose.

- 1 authorizes the use of 1.5 acre feet of water for watering purpose.

Conditional Water Licence 53128 is licenced to Hendrik and Ann Heetebrij who lease a portion of Schelowat Reserve No. 1. The licence is eleventh in priority on Hope Slough.

The Water Survey of Canada operated station 08MF036 on Hope Slough from 1952 to 1957, during the months of April through September. During these periods, the station recorded a minimum daily discharge of .136 m^3/sec (4.8 cubic feet/sec), on September 30, 1952, and a maximum daily discharge of 5.72 m^3/sec (202 cubic feet/sec), on June 10, 1956. Mean monthly discharges reached lows in the order of .507 m^3/sec in September and rose to highs of 2.22 m^3/sec in June.

Notes:

1. There is no additional information with respect to the rights of the Skwah Band on Hope Slough.

OTHER INFORMATION:

Groundwater Records:

A review of well records maintained by the MELP - Groundwater Section found that no wells had been reported on any of the Skwah Reserves. However, as the provision of well information to the Groundwater Section is voluntary, this review should not be assumed to be complete.

Alternate Water Sources:

The proximity of Skwah 4, Skwali 3, and Skwahla 2 to the city of Chilliwack presents the potential for water supply to these reserves via connection to the Chilliwack municipal water system.

Water Protection Records:

The Water Protection Section records report that a 2.5 kilometre dyke is located along the Fraser River on Skwali Reserve No. 3. The dyke is maintained by the District of Chilliwack.

Summary of Water Rights Records							
Skwah Band							
Reserve Name	File No.	Document Type	Status	Superceded By	Priority Date	Water Source	Licence PUC/MOD & OIC Allotments
Schelowat 1	0346543	CL 53128	C		1961/03/06	Hope Slough	10 Ac.Ft./Irrigation
Schelowat 1	0236919	FL 19537	S	CL 53128	1961/06/20	Hope Slough	38.9 Ac.Ft./Irrigation
Schelowat 1	0236919	CL 27473	S	FL 19537	1961/06/20	Hope Slough	40 Ac.Ft./Irrigation

Summary of Water Rights Records								
Skwah First Nation								
Water Source	**Priority Date**	**Reserve Name**	**File No.**	**Document Type**	**Status**	**Superceded By**	**Licence PUC/MOD & OIC Allotments**	**Comments**
Hope Slough	1961/06/20	Schelowat 1	0236919	CL 27473	Superceded	FL 19537	40 AF/Irrigation	
Hope Slough	1961/06/20	Schelowat 1	0236919	FL 19537	Superceded	CL 53128	38.9 AF/Irrigation	
Hope Slough	1961/03/06	Schelowat 1	0346543	CL 53128	Current		10 AF/Irrigation	

WATER RESOURCES SERVICE
WATER RIGHTS BRANCH

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES

WATER ACT

CONDITIONAL WATER LICENCE

Daniel Wood of 506 Trans Canada Highway East, Chilliwack, B.C.

is/are hereby authorized to divert and use water as follows:—

(a) The source(s) of the water-supply is/are Hope Slough.

(b) The point(s) of diversion is/are located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 20th June, 1961.

(d) The purpose for which the water is to be used is irrigation.

(e) The maximum quantity of water which may be diverted is 40 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st April to 30th September.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Lots 7, 11 and 12, Plan 1817; part of Lot 1, Plan 1817 as shown on Reference Plan 3144, of Lot 428, Group 2, New Westminster District, Parcel A, Reference Plan 8287 of Schelowat Indian Reserve No.1, of which 40 acres may be irrigated.

(h) The works authorized to be constructed are portable pump, pipe and sprinklers, and they shall be located approximately as shown on the attached plan.

(i) The construction of the said works has been commenced and shall be completed and the water beneficially used on or before the 31st day of December, 1965.

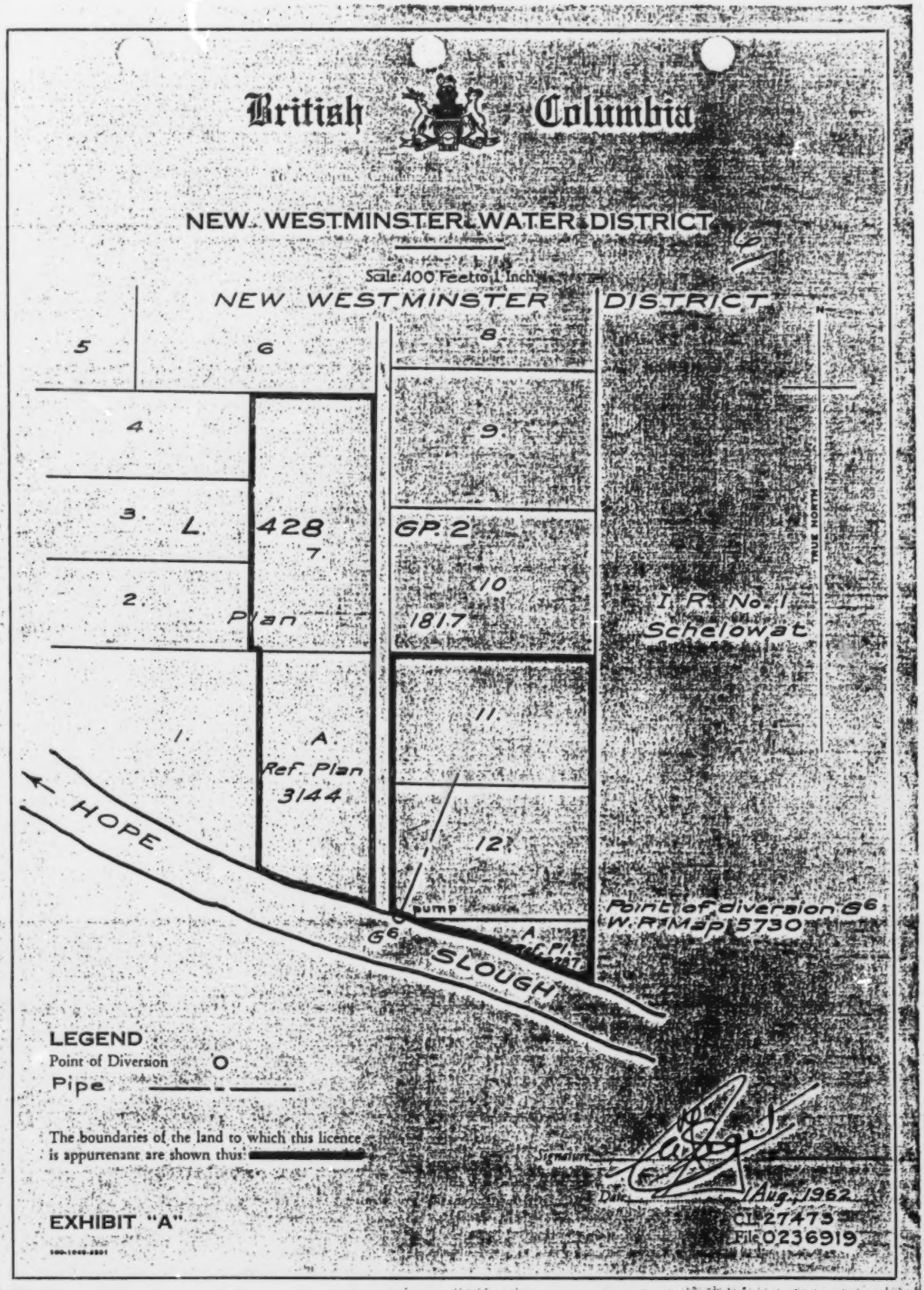
Superseded By Final Licence 19537

ENTERED ON M.O. No. 5730

A. F. Paget,
COMPTROLLER OF WATER RIGHTS.

FILE No. 0236919 Date issued: 1st August, 1962. LICENCE No. 27473

1M sets (20)-662-586 (2)


British Columbia
NEW WESTMINSTER WATER DISTRICT
Scale 400 Feet to 1 Inch
NEW WESTMINSTER DISTRICT
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L 428
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GP. 2
2
Plan
X10
1817
I. R. No. 1
Schelowat
1
A
Ref. Plan
3144
11
12
HOPE
pump
Point of diversion 66
W. R. Map 5730
66
A. C. Pl.
SLOUGH
LEGEND
Point of Diversion O
Pipe
The boundaries of the land to which this licence is appurtenant are shown thus:
Signature
Date Aug. 1962
EXHIBIT "A"
C.L. 27475
File 0236919

LAND AND WATER MANAGEMENT
WATER RIGHTS BRANCH

MINISTRY OF THE ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Hendrik and Ann Heetebrij of 39451 No. 3 Road, R.R. #4, Abbotsford, B.C., V2S 4N4

is/are hereby authorized to divert and use water as follows:—

(a) The source(s) of the water-supply is/are Hope Slough.

(b) The point(s) of diversion is/are located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 6th March, 1961.

(d) The purpose for which the water is to be used is irrigation.

(e) The maximum quantity of water which may be diverted is 10 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st April to 30th September.

(g) The land upon which the water is to be used and to which this licence is appurtenant is
Lot 12 of Lot 428, Group 2, New Westminster District, Plan 1817 and Parcel A of Schelowat Indian Reserve No. 1, Township 26, New Westminster District, Reference Plan 8287, of which 10 acres may be irrigated.

(h) The works authorized to be constructed are diversion structure, pump, pipe and sprinkler system, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works has been completed and the water shall be beneficially used on or before the 31st day of December, 1981.

(j) This licence is issued in substitution of Final Water Licence 19537, in part, under Section 17 of the Water Act.

J. E. Farrell,
Deputy *Comptroller of Water Rights.*

File No. 0346543 Date issued: 29th November, 1979 Conditional Licence No. 53128

ENTERED ON
Map No. 5330
By DPB

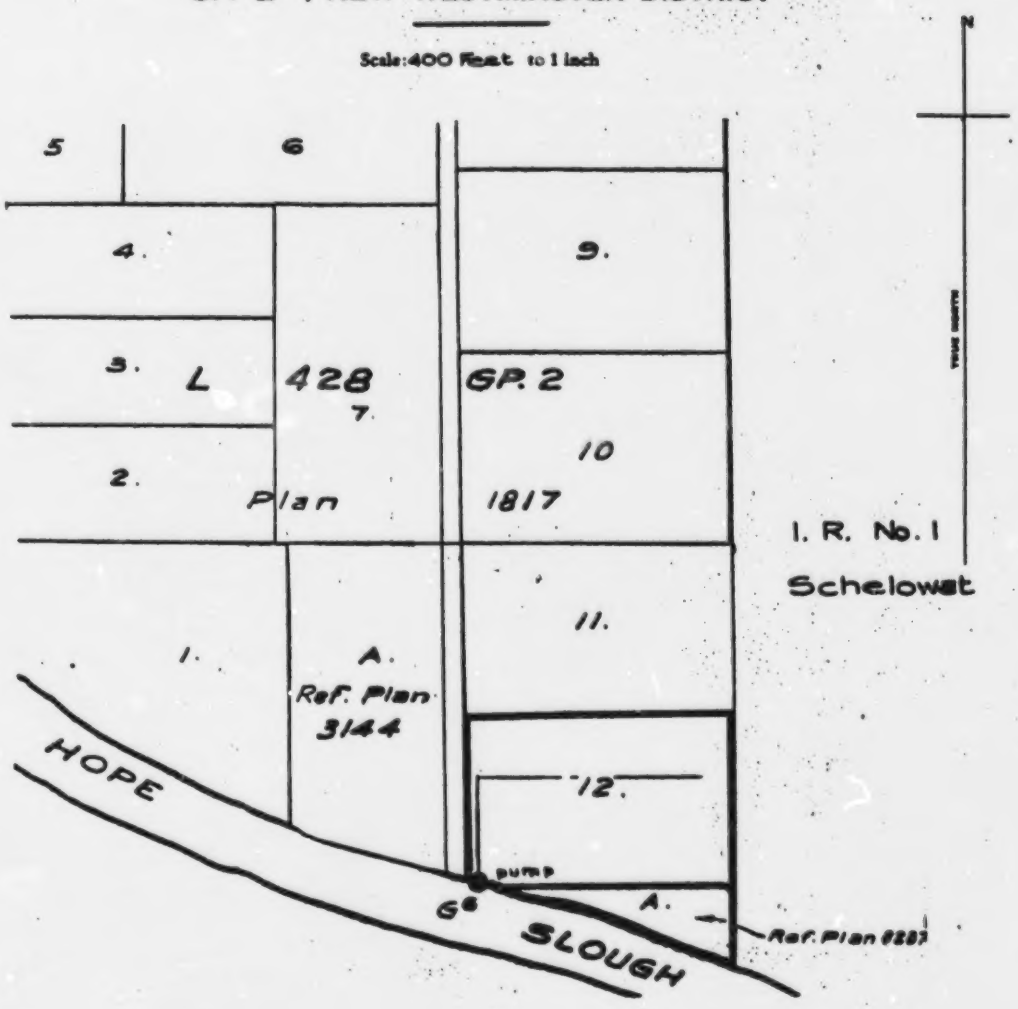
92H/4-c,f

British Columbia

NEW WESTMINSTER WATER DISTRICT

GP. 2 , NEW WESTMINSTER DISTRICT

Scale: 400 Feet to 1 inch



LEGEND

Point of Diversion ●

W.R. Map 5790 92 H/4-e,f

Pipe ——— - ———

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬▬▬▬

Signature [signature]

Date 29th Nov. 1979

C.L. 53128 for F.L. 19537 in pt.

File 0346543

Chilliwack Precinct

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
WATER RIGHTS BRANCH
VICTORIA, B.C.

ORDER

WATER ACT

Section 15

FILE NO. 0236919

IN THE MATTER OF Final Water Licence No. 19537, Hope Slough, which authorizes the diversion of 38.9 acre feet per annum of water for irrigation purpose.

Having determined that the priority date of the licence was incorrectly stated, and being satisfied that no person's rights will be injuriously affected, I hereby amend clause (c) of the said licence to read as follows:-

(c) The date from which this licence shall have precedence is 20th June, 1961.

Dated at VICTORIA, B. C., this 18th day of January, 1967.

A. K. Sutherland,
Deputy Comptroller of Water Rights.

Province of British Columbia

Ministry of the Environment

WATER RIGHTS BRANCH

ORDER

WATER ACT

Section 17

FILE NO. 0236919

In the matter of Final Water Licence No. 19537, which authorizes the diversion of 38.9 acre feet per annum of water from Hope Slough for irrigation of 38.9 acres of Lots 7, 11 and 12, Plan 1817 and Parcel A, Reference Plan 3144, of Lot 428, Group 2, New Westminster District and Parcel A, Reference Plan 8287 of Schelowat Indian Reserve No. 1.

Having received an application for Apportionment of the licence, and being satisfied that no person's rights will be injuriously affected, I propose to apportion the rights granted and the obligations imposed under the said licence as follows:

	To the owners from time to time of	A new licence allowing
1. 0236919	Lots 7 and 11, Plan 1817 and Parcel A, Reference Plan 3144 of Lot 428, Group 2, New Westminster District	28.9 acre feet per annum for irrigation of 28.9 acres
2. 0346543	Lot 12 of Lot 428, Group 2, New Westminster District, Plan 1817 and Parcel A of Schelowat Indian Reserve No. 1, Township 26, New Westminster District, Reference Plan 8287	10 acre feet per annum for irrigation of 10 acres

The date of precedence is 6th March, 1961.

Period of use is 1st April to 30th September.

Comments with respect to the proposed apportionment may be filed with the Comptroller of Water Rights, Parliament Buildings, Victoria, B.C., up to the 17th day of September, 1979.

Dated at Victoria, B.C., this 15th day of August, 1979.

J. E. Farrell,
Deputy Comptroller of Water Rights.

1. Betty R. Meier, 9648 Pelly Road, R.R.#2, Chilliwack, B.C., V2P 6H4
2. Hendrik and Ann Heetebrij, 39451 No. 3 Road, R.R. #4, Abbotsford, B.C., V2S 4N4

9-10-79

WATER RESOURCES SERVICE
WATER RIGHTS BRANCH

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

FINAL WATER LICENCE

Daniel Wood, 9648 Pelloy Road, R.R.#2, Chilliwack, B.C.

is/are hereby authorized to divert and use water as follows:—

(*a*) The source(s) of the water-supply is/are Hope Slough.

(*b*) The point(s) of diversion is/are located as shown on the attached plan.

(*c*) The date from which this licence shall have precedence is 6th March, 1961.

(*d*) The purpose for which the water is to be used is irrigation.

(*e*) The maximum quantity of water which may be diverted is 38.9 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(*f*) The period of the year during which the water may be used is 1st April to 30th September.

(*g*) The land upon which the water is to be used and to which this licence is appurtenant is
Lots 7, 11 and 12, Plan 1817 and Parcel A, Reference Plan 3144, of Lot 428, Group 2, New Westminster District and Parcel A, Reference Plan 8287 of Schelowat Indian Reserve No.1, of which 38.9 acres may be irrigated.

(*h*) The works authorized hereunder are pump, pipe and sprinklers, located as shown on the attached plan.

(*i*) This licence is issued in substitution of Conditional Water Licence No. 27473.

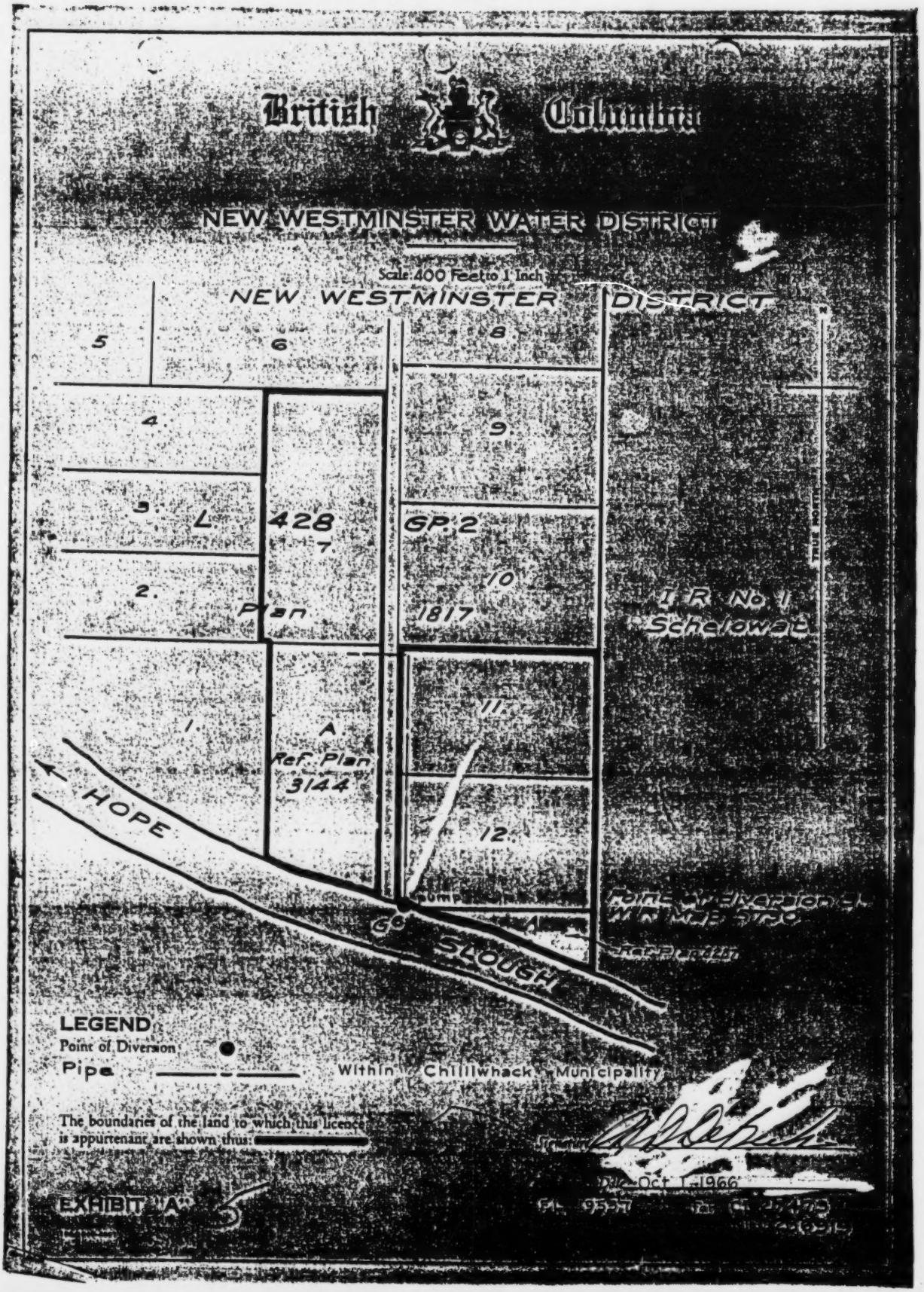
H. D. DeBeck,
Comptroller of Water Rights.

File No. 0236919 Date issued: 1 October 1966 Final Licence No. 19537

SM-365-3319

ENTERED ON
Map No. 92J.9 SW
By ...

SUPERCEDED BY
LICENCE NO. C53128/9


British Columbia
NEW WESTMINSTER WATER DISTRICT
Scale: 400 Feet to 1 Inch
NEW WESTMINSTER DISTRICT
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GP 2
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Plan
1817
I R No 1
Scheiowat
11
1
A
Ref. Plan
3144
12
HOPE
SLOUGH
LEGEND
Point of Diversion
Pipe
Within Chilliwhack Municipality
The boundaries of the land to which this licence is appurtenant are shown thus:
Oct 1 1966
EXHIBIT "A"

Stream Register Report Water Licence Information System

Report Requested By : CROCHA
Date Report Requested : 1996/10/03 12:12
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : M05606 - Praat Ditch left of Hope Slough
END POINT : S05507 - Hope Slough left of Shefford Slough

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
	Source		MR Map	POD RED POD Comments					Prec	
1951/12/19	C020756	0190640	SEE FILE	CHILLIWACK DISTRICT OF 8550 YOUNG RD S CHILLIWACK BC V2P4P1	IRRLA	1,000.00 AF	Apr 01	Sep 30		
	Hope Slough Elk Creek		MR92H/4ef MR92H/4ef	L3 N M3 N					20C NW - CHILLIWACK	
1952/01/17	F016398	0194337	65.58 AC OF L 388 GP 2 NWD EXC SK PLAN 3251, 3252 & 4494	KEMPKE FARMS LTD 10076 REEVES RD RR 2 CHILLIWACK BC V2P6H4	IRR	60.00 AF	Apr 01	Sep 30		
	Hope Slough		MR92H/4ef	X N					20C NW - CHILLIWACK	
1952/02/01	F016569	0193269	40 AC OF PART L 377 GP 2 NWD SHOWN RED ON SK PLAN 1900 EXC SK PLAN 1902, 3475 & 11241	ROOS ISAAC J R 48711 YALE RD E RR 2 CHILLIWACK BC V2P6H4	IRR	40.00 AF	Apr 01	Sep 30		AMD UNDER AMENDMENT
	Hope Slough		MR92H/4ef	BB N					20C NW - CHILLIWACK	
1952/02/16	F016582	0193513	15 AC OF L B (SK PLAN 3252) & L C (SK PLAN 3251) OF L 388 GP 2 NWD	HARMS PETER H MRS 47919 YALE RD EAST R R 2 CHILLIWACK B C V2P6H4	IRR	15.00 AF	Apr 01	Sep 30		
	Hope Slough		MR92H/4ef	Y N					20C NW - CHILLIWACK	
1952/03/11	C020858	0193826	24 AC OF SK 9060 L 476 & SK PLAN 3470 OF NW 1/4 SEC 6 TP 30 ECM	PORTER CONNER H 50891 YALE RD EAST R R 1 ROSEDALE B C V0X1X0	IRR	24.00 AF	Apr 01	Sep 30		
	Hope Slough		MR92H/4ef	SS N					20C NW - CHILLIWACK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			MR Map	POD RED POD Comments					Proc	
1953/09/28	F017387	0201602	60 AC OF L 1 OF L 461 GP 2 NWD PLAN 7110	VAN DEN BRINK GERHARDUS 47490 HOPE RIVER ROAD CHILLIWACK B C V2P6H5	IRR	60.00 AF	Apr 01	Sep 30		
Hope Slough			MR5731B	D3 N					20C NW - CHILLIWACK	
1956/10/05	F017098	0213717	55 AC OF L 1 OF L 392 PLAN 6409 & PARCEL D OF L 391 PLAN 7200 ALL GP 2 NWD	TEKOA DAIRY INC 9750 GILLANDERS RD RR 2 CHILLIWACK B C V2P6H4	IRR	55.00 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4af	DD N					20C NW - CHILLIWACK	
1958/04/30	F019546	0220112	35 AC OF PARCEL C (PLAN 9794F) OF L 467 GP 2 NWD EXC REF PLAN 3089 AND REF PLAN 3090 & THAT PORTION LYING E OF CASTLEMAN RD	GULIKER GEORGE 51080 CASTLEMAN RD ROSEDALE BC V0X1X0	IRR	35.00 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4af	VV N					20C NW - CHILLIWACK	
1958/09/11	F038078	0222035	45 AC OF L 2 PLAN 6409; L 3 PLAN 1938; L 5 PLAN 1938 EXC REF PLAN 2590, 6099; PARCEL C (REF PLAN 5167); PARCEL B (REF PLAN 5168 & 6245) ALL BEING PART OF L 392 GP 2 NWD	VAN KLEI GERRIT & CATHARINA 965- GRIGG RD RR 2 CHILLIWACK BC V2P6H4	IRR	45.00 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4a7	EE N					20C NW - CHILLIWACK	
1959/04/08	C025047	0224856	20 AC OF PARCEL 1 OF L 391 GP 2 NWD PLAN 14991	GILLANDERS ADA J & ROBERT 9790 GILLANDER RD R R 2 CHILLIWACK B C V2P6H4	IRR	20.00 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4af	CC N					20C NW - CHILLIWACK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	FUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			MR Map	POD	RED POD Comments				Prec	
1961/03/06	C053128	0346543	10 AC OF L 12 OF L 428 PLAN 1817 & PARCEL A OF IR 81 SCHELOMAT REF PLAN 8287 ALL GP 2 NWD	MEETERRIJ HENDRIK & ANN 9648 PELLY RD RR 2 CHILLIWACK BC V2P6H4	IRR	10.00 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4ef	HH	N				20C NW - CHILLIWACK	
1961/03/06	C065861	0370827	9.0 AC OF L 11 OF L 428 GP 2 NWD PLAN 1817	LOOPER YME & BARBARA V 9710 PELLY RD CHILLIWACK BC V2P6H6	IRR	6.30 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4ef	GG	N				20C NW - CHILLIWACK	
1961/03/06	C108405	0236919	PCL A (REF PLAN 3144) OF L 1 DL 428 G P 2 NWD PLAN 1817	MEIER BETTY R C/O TERRY MITCHELL #6190 AIRPORT RD #B CHILLIWACK BC V2P1A5	IRR	7.70 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4ef	FF	N				20C NW - CHILLIWACK	
1961/03/06	C108406	2002002	L 7 OF DL 428 GP 2 NWD PLAN 1817	FAHR JOAN 9835 PELLY RD CHILLIWACK BC V2P6H4	IRR	7.70 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4ef	UJ	N				20C NW - CHILLIWACK	
1961/08/14	F019826	0237862	35.7 AC OF PARCEL C OF L 375 GP 2 NWD REF PLAN 30679C EXC REF PLAN 12443 & PLAN 26592	EPP VICTOR J & NELLIE I 47982 YALE ROAD EAST RR 2 CHILLIWACK B C V2P6H4	IRR	35.70 AF	Apr 01	Sep 30		
Hope Slough			MR92H/4ef	Q	N				20C NW - CHILLIWACK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
	Source		WR Map	POD RED POD Comments					Prec	
1961/10/13	F019492	0238966	14.5 AC OF L 4 & 5 PLAN 7607 & PARCEL A OF L 6 OF L 376 REF PLAN 19026 ALL OF GP 1 NWD	BRAUN HERMINA 48454 YALE RD R R 2 CHILLIWACK B C V2P6H4	IRR	14.50 AF	Apr 01	Sep 30		A/A APPORTIONMENT PEND
	Hope Slough		WR92H/4af	AA N					20C NW - CHILLIWACK	
1964/02/07	F038921	0254725	L 1 OF L 395 GP 2 NWD PLAN 6669	MEADOWLANDS GOLF & COUNTRY CLUB 47823 YALE ROAD CHILLIWACK B C V2P7M3	WTRNG	1.50 AF	Apr 01	Sep 30		
	Hope Slough		WR92H/4af	L N					20C NW - CHILLIWACK	
1971/08/13	F043959	0305865	40 AC OF L 17 OF SEC 5 & 8 TP 30 NCN PLAN 29748	CORNERS PRIDE FARMS LTD 19484 MCGRATH RD ROSEDALE BC V0X1X0	IRR	40.00 AF	Apr 01	Sep 30		A/A APPORTIONMENT PEND
	Hope Slough		WR92.H.012.3.3	H7 N					20C NW - CHILLIWACK	

---------- Total of 18 Licences Reported ----------

HONNA RIVER NEAR THE MOUTH - STATION NO. 08QA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	1.65	0.955	0.447	0.429	0.582	---	---	---	---	1985
1986	---	---	---	---	1.07	0.406	0.340	0.269	---	---	---	---	---	1986
1987	---	---	---	---	---	---	0.233	0.346	---	---	---	---	---	1987
1988	---	---	---	---	0.813	---	0.748	0.338	---	---	---	---	---	1988
1989	---	---	---	2.96	0.692	0.551	0.220	0.110	0.189	---	---	---	---	1989
1990	---	---	---	1.74	1.12	0.303	0.240	0.308	0.452	---	---	---	---	1990
MEAN	---	---	---	2.35	1.07	0.554	0.371	0.300	0.408	---	---	---	---	MEAN

LOCATION - LAT 53 15 12 N
LONG 132 08 11 W
DRAINAGE AREA, 45.3 km²
NATURAL FLOW

HONNA RIVER NEAR THE MOUTH - STATION NO. 08QA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1989	---	---	---	---	1989
1990	---	---	---	---	1990
				---	MEAN

HOP RANCH CREEK ABOVE DRYDEN CREEK - STATION NO. 08GA058

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	---	---	0.097	0.210	---	1967
1968	0.246	0.161	0.141	0.080	0.058	0.025	0.027	---	---	---	---	---	---	1968
MEAN	0.246	0.161	0.141	0.080	0.058	0.025	0.027	---	---	---	0.097	0.210	---	MEAN

LOCATION - LAT 49 45 33 N
LONG 123 07 37 W
DRAINAGE AREA, 2.85 km²
REGULATED

HOP RANCH CREEK ABOVE DRYDEN CREEK - STATION NO. 08GA058

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	1.53 AT 11:00 PST ON JAN 20 *	1.00 ON JAN 20 *	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HOPE SLOUGH NEAR ROSEDALE - STATION NO. 08MF036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	1.40	2.13	1.86	1.08	0.518	0.253	---	---	---	---	1952
1953	---	---	---	1.45	1.65	1.80	1.20	0.474	0.386	---	---	---	---	1953
1954	---	---	---	---	1.60	2.28	1.84	1.06	1.01	---	---	---	---	1954
1955	---	---	---	---	1.99	3.14	2.13	0.969	0.261	---	---	---	---	1955
1956	---	---	---	1.71	2.27	2.86	1.37	0.521	0.766	---	---	---	---	1956
1957	---	---	---	---	2.11	1.35	0.900	0.436	0.364	---	---	---	---	1957
MEAN	---	---	---	1.52	2.01	2.22	1.42	0.663	0.507	---	---	---	---	MEAN

LOCATION - LAT 49 10 31 N
LONG 121 51 16 W
NATURAL FLOW

HOPE SLOUGH NEAR ROSEDALE - STATION NO. 08MF036

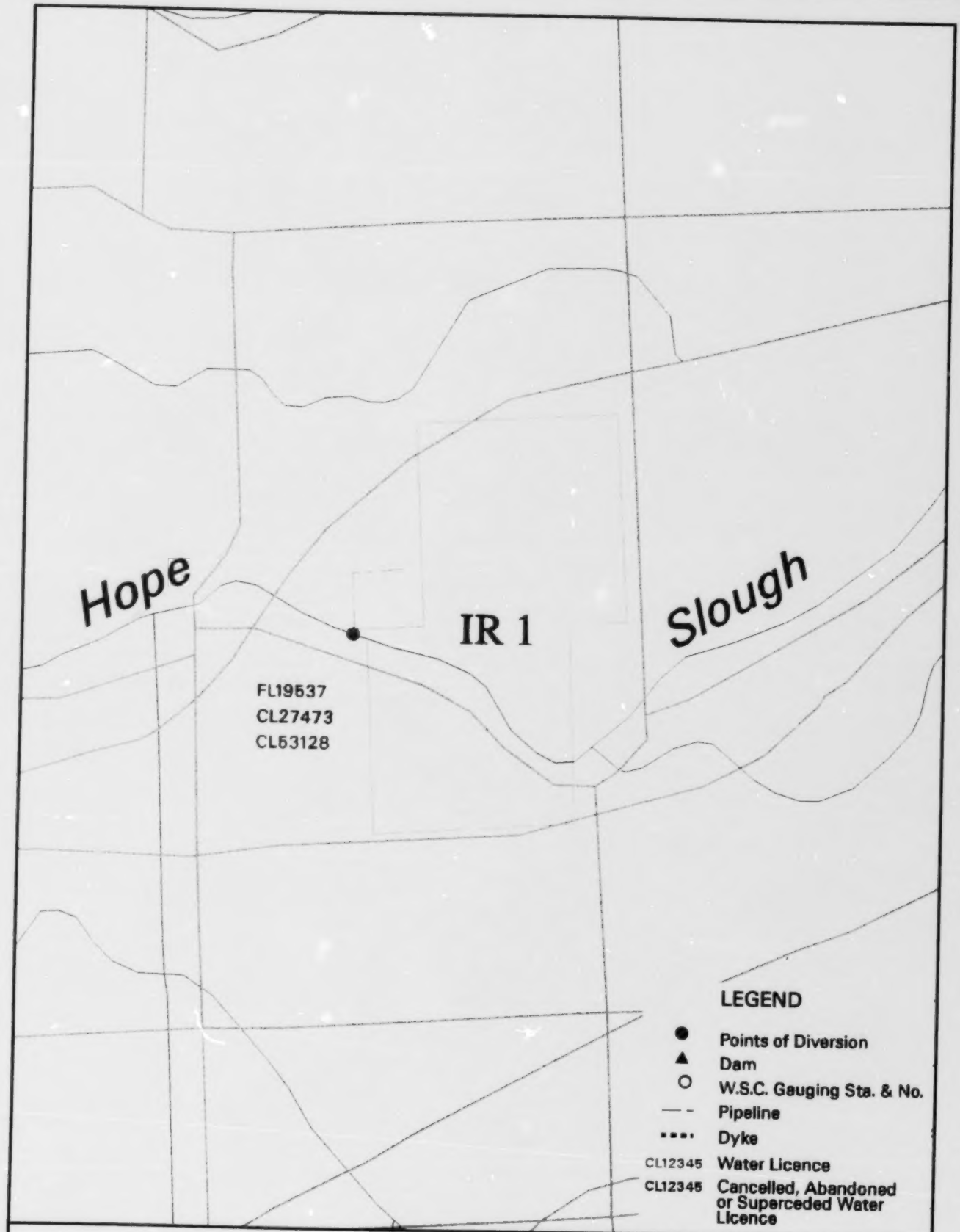
ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	3.20 ON MAY 20	0.136 ON SEP 30 *	---	1952
1953	---	3.85 ON APR 23	0.184 ON SEP 16	---	1953
1954	---	3.85 ON JUL 01	0.626 ON AUG 13	---	1954
1955	---	4.30 ON JUN 10	0.167 ON SEP 30	---	1955
1956	---	5.72 ON JUN 10 *	0.292 ON SEP 18	---	1956
1957	---	2.72 ON MAY 20	0.161 ON SEP 05	---	1957
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

A REF. NO.	B RESERVE NAME & NO.	C BAND NAME	D WATER BODY	E TYPE OF WORKS	F LENGTH DYKE (KM)	G LENGTH B.P. (KM)	H CROWN WDTH. (M)	I APPROX. WATER SLOPE	J PROT'D. AREA (HA)	K DATE LAST CONST'D.	L CONST. FUNDED BY	M INSP-ECTED BY	N MAINTAINED BY
1	ASHNOLA 10	LOWER SIMILKAMEEN	SIMILKAMEEN R.	DYKE & B.P	0.40	1.20	?	?	60	1986	ARDSA	I.of D.	BAND
2	ATEYUCKS 15	SQUAMISH	SQUAMISH R.	DYKE	0.80	N/A	3.0	2:1	19	1977	B.C./KUN.	I.of D.	SQUAMISH DIST.
3	BARNSTON ISLAND 3	KATZIE	FRASER R.	DYKE	0.87	N/A	3.0	2:1	40.5	1950	FYDR	I.of D.	BRSH. I.D. DIST.
4	BELLA COOLA 1	BELLA COOLA	TNGRSEN CR.	DYKE	0.82	0.00	4.0	2:1	?	1986	BAND	?	BAND
5	BELLA COOLA 1	BELLA COOLA	TASTSQUAR CR.	DYKE & B.P	0.15	0.10	?	?	?	1974	BAND	?	BAND
6	CAPE MUDGE	CAPE MUDGE	SEA	SEAWALL	N/A	?	N/A	?	?	?	?	?	BAND
7	CHAYATMIL	HOPE	FRASER R.	B.P.	N/A	0.50	N/A	?	?	?	CPR	?	CPR
8	CHEAM 1	CHEAM	FRASER R.	DYKE	0.82	0.76	3.0	2.5:1	55.8	1974	FRJP/CNR	I.OF D.	CHILLIWACK DIST.
9	CHEHALIS 5	CHEHALIS	CHEHALIS R.	DYKE	0.44	N/A	4.0	2:1	881	1990	BAND	?	BAND
10	COQUITLAM 2	COQUITLAM	COQUITLAM R.	DYKE	0.90	N/A	?	?	70	?	BAND	?	BAND
11	COWICHAN 1	COWICHAN	COWICHAN/KOKSILAH RS.	DYKE	5.74	N/A	3.0	2:1	650	1985	ARDSA	I.of D.	BAND
12	DEADMAN'S CREEK	SKEETCHESTN	DEADMAN CR.	B.P.	N/A	?	N/A	?	800	1948	BAND	?	BAND
13	EAST SAANICH 2	TSAWOUT	SEA	SEAWALL	N/A	0.40	N/A	1.5:1	?	1983	BAND	?	BAND
14	ENDERBY 2	ENDERBY	SHUSWAP R./FORTUNE CR.	DYKE	?	N/A	?	?	340	?	BAND	?	BAND
15	FORT RUPERT 1	KWAKIUTL	SEA	SEAWALL	N/A	0.09	N/A	1.5:1	340	1974	BAND	?	BAND
16	GITANMAAX 1	GITANMAAX	SKEENA R.	GROYNE	N/A	?	N/A	N/A	?	?	?	?	BAND
17	GORDON RIVER 2	PACHENAHT	SAN JUAN R.	B.P.	N/A	0.50	N/A	2:1	?	1991*	BAND	?	BAND
18	HALFWAY 168	HALFWAY	HALFWAY R.	B.P.	N/A	0.10	N/A	?	?	1991*	BAND	?	BAND
19	KAMLOOPS	KAMLOOPS	SOUTH THOMPSON R.	DYKE	1.37	N/A	?	?	?	1972	B.C.-KVTS.	?	BAND
20	KATIT 1	OVEEKANO	UCLUCHOVE	DYKE	?	N/A	?	?	?	1990	BAND	?	BAND
21	KATZIE 1	KATZIE	FRASER R.	DYKE	0.60	N/A	3.0	2.5:1	31.5	1984	FRJP	I.of D.	PITT M'DOWS DIST.
22	KINCOLITH 14	KINCOLITH	NASS R.	CAUSEWAY	N/A	0.70	4.0	1.5:1	?	1990	BAND	?	BAND
23	KITAMAAT 2	KITAMAAT	WATHL R.	DYKE	0.55	N/A	3.5	2:1	10	1988	BAND	?	BAND
24	KITWANGAK 1	GITWANGAK	SKEENA	B.P.	N/A	?	N/A	?	53	?	CNR	?	CNR
25	KITWILLUCKSILT 7	GITWINKSIHLKW	UNNAMED	CHAN. IMPS	N/A	N/A	N/A	N/A	52	1987	BAND	?	BAND
26	KULKAYU 4	MARTLEY BAY	SEA	SEAWALL	N/A	0.22	N/A	1.5:1	?	1977	BAND	?	BAND
27	LACHKALTSAP 9	LAKALZAP	GREENVILLE CR.	DYKE	1.40	N/A	4.0	1.5:1	800	1990	BND/BC	?	BAND
28	LAKAHAHMEN 11	LAKAHMEN	NICOMEN SLOUGH	DYKE	0.90	N/A	?	?	23	1949	FYDR	I.of D.	N.NICOMEN I.DIST.
29	LOUIS CREEK 4	NORTH THOMPSON	N.THOMPSON/LOUIS CR.	B.P.	N/A	?	N/A	?	0.8	1984	BAND	?	BAND
30	NASSET 1	NASSET	SEA	SEAWALL	N/A	0.22	N/A	VERT.	?	1983	BAND	?	BAND
31	NATSOUI KAIK 2	NATSOUI	FRASER R.	DYKE	1.10	N/A	3.0	2.5:1	41.3	1974	FRJP	I.of D.	DIST.OF NATSOUI
32	NCMILLAN ISLAND 16	LANGLEY	FRASER R.	B.P.	N/A	0.46	N/A	?	181	?	BAND	?	BAND
33	MOUNT CURRIE 1,6,8,10	MOUNT CURRIE	BIRKENHEAD	DYKE	0.70	N/A	3.0	2:1	442	PRE-70	?	I.of D.	PEMBERTON D.DIST.
34	MUSQUEAM 2	MUSQUEAM	SEA/R.ARM FRASER R.	DYKE & B.P	0.55	0.40	?	?	27.3	?	BAND	?	BAND
35	NANAIMO RIVER 3	NANAIMO RIVER	NANAIMO R./SEA	DYKE	2.20	N/A	?	?	92	1934	BAND	?	BAND
36	NEQUATQUE 1	ANDERSON LAKE	GATES R./ANDERSON L.	DYKE	?	N/A	?	?	9	1948	MVYS/ECR	?	?
37	NESUCH 3	MOUNT CURRIE	LILLOOET R.	DYKE	0.20	N/A	3.0	2.5:1	295	1987	B.C./B.D.	I.of D.	PEMBERTON D. DIST.
38	NORTH THOMPSON 1	NORTH THOMPSON	NORTH THOMPSON R.	B.P.	N/A	0.60	N/A	?	250	?	BAND	?	BAND
39	PAPERVATCHIN 4	LAKAHAHMEN	FRASER R.	DYKE	0.88	N/A	3.0	2.5:1	16.4	1980	FRJP	I.of D.	NICOMEN IS.1.DIST.
40	PENTICTON	PENTICTON	OKANAGAN R/SHINGLE CR.	DYKE	?	N/A	?	?	530	1953	B.C./CAN.	I.of D.	PROVINCE
41	PENTLEDGE 2	COWIE	PENTLEDGE R.	B.P.	N/A	0.26	N/A	1.5:1	?	1972	BAND	?	BAND
42	PETERS 1	PETERS	FRASER	DYKE	0.25	N/A	?	?	125	1988	BAND	?	BAND
43	PETERS 2	PETERS	FRASER R.	B.P.	N/A	1.07	N/A	2:1	40	1988	BAND	?	BAND
44	PINCHIE 2	TL'AZT'EN NATION	STUART L./PINCHI R.	B.P.	N/A	0.10	N/A	2.5:1	30	1988	BAND	?	BAND
45	PORT SIMPSON 1	LAX KW'ALAAMS	SEA	CAUSEWAY	N/A	0.13	?	1:1	?	1990	BAND	?	BAND
46	QUAAOUT 1	LITTLE SHUSWAP	LITTLE R./ SHUSWAP L.	B.P.	N/A	0.13	N/A	?	?	1975	BAND	?	BAND
47	RUBY CREEK 2	SKAWAHLOOK	RUBY CREEK	DYKE	?	N/A	?	?	1.2	?	BAND	?	BAND
48	SALMON RIVER 1	SPALLUMCHEEN	SALMON R.	B.P.	N/A	0.19	N/A	1.5:1	?	1984	BAND	?	BAND
49	SCOWLITZ 1	SCOWLITZ 1	FRASER R./HARRISON R.	DYKE	2.90	N/A	3.0	2.5:1	53	1972	FRJP	I.of D.	KENT DIST.
50	SEABIRD ISLAND	SEABIRD ISLAND	FRASER R.	B.P.	N/A	1.90	N/A	2:1	166	1976/82	FRJP/BAND	I.of D.	KENT DIST./BAND
51	SEATCHEN 16	SQUAMISH	SQUAMISH R.	DYKE	0.60	N/A	3.0	2.5:1	4	1987	B.C./KUN.	I.of D.	SQUAMISH DIST.
52	SECHELT 2	SECHELT	SEA	B.P.	N/A	0.85	N/A	1.5:1	?	1984	BAND	?	BAND
53	SEYMOUR CREEK 2	SQUAMISH	SEYMOUR CR.	B.P.	N/A	?	N/A	?	1	?	LESEE	?	?
54	SKAWAHLOOK 1	SKAWAHLOOK	FRASER R.	B.P.	N/A	0.12	N/A	?	?	?	?	?	BAND
55	SKWAWK 10	LAKAHAHMEN	NICOMEN SLOUGH	DYKE	2.10	N/A	3.0	2:1	23	1949	FYDR	I.of D.	NICOMEN IS.1.DIST
56	SKEMOSKUMKIN 1,7,9	LOWER SIMILKAMEEN	SIMILKAMEEN R.	DYKE & B.P	7.50	1.50	3.0	2:1	1100	1984	ARDSA	I.of D.	BAND
57	SKIDEGATE 1	SKIDEGATE	SEA	B.P.	N/A	0.10	N/A	?	?	1985	BAND	?	BAND
58	SKWAWK 10	SKWAH	FRASER R.	DYKE	4.20	N/A	3.0	2.5:1	400	1949	FYDR	I.of D.	NICOMEN IS.1.DIST
59	SKWAY 3	SKWAH	FRASER R.	DYKE	2.50	N/A	3.0	2:1	4	1950	FYDR	I.of D.	CHILLIWACK DIST.
60	SKWAY 4,5	SKWAH	FRASER R.	DYKE	0	N/A	0	0	0	1950	FYDR	I.OF D.	?
61	SLOSH 1	SETON LAKE	SETON R./SETON L.	B.P.	N/A	0.00	N/A	1.5-2:1	?	1990	BAND	?	?
62	SOOWAHLIE 14	SOOWAHLIE	CHILLIWACK R.	DYKE	2.61	N/A	3.7	2:1	3	1990	BAND	?	BAND
63	SWITSEMALPH 8	ADAMS LAKE	SHUSWAP L./SYPHON CR.	DYKE	?	N/A	?	?	?	?	LESEE	?	?
64	TSAYWASSEN	TSAYWASSEN	SEA	DYKE	2.50	N/A	3.0	2.5:1	273	1985	FRJP	I.of D.	CORP. OF DELTA
65	TSEATAH 2	CHEAM	FRASER R.	DYKE & B.P	2.00	0.70	3.0	2:1	97	1973	FRJP/BAND	I.of D.	KENT DIST./BAND
66	TSULQUATE 4	GYA-SALA-KAYAX	SEA/TSULQUATE R.	B.P.	N/A	0.20	N/A	?	?	1971	BAND	?	BAND
67	VAIVAUN 14	SQUAMISH	SQUAMISH R.	DYKE	0	N/A	0	0	0	1977	B.C./KUN.	I.OF D.	SQUAMISH DIST.
68	WHISPERING PINES 4	WHISPERING PINES	NORTH THOMPSON R.	DYKE	?	N/A	?	?	?	PRE-72	PRLY.OWNER	?	?
69	ZAITSCHULLACH 9	LAKAHAHMEN	NICOMEN SLOUGH	DYKE	0.70	N/A	3.0	2:1	20	1949	FYDR	I.of D.	NICOMEN IS.1.DIST
				TOTALS	57.65	13.17							

DYKE CATEGORIES: - A - 1:200 yr. Flood + 0.6 M Freeboard
B - 1:200 yr. Flood, no Freeboard
C - Less than 1:200 yr. Flood or unknown

* -See Column Y COMMENTS



SKWAH FIRST NATION

Scale: 1 : 20,000

Ministry of Environment, Lands & Parks

Date: February 2000

Environment & Lands Division